Flex static code analysis: Control flow statements "if", "for", "while" and "switch" should not be nested too deeply

1 minute

Nested `if`, `for`, `while`, `do while` and `switch` statements is a key ingredient for making what's known as "Spaghetti code".

Such code is hard to read, refactor and therefore maintain.

Noncompliant Code Example

With the default threshold of 3:

```
if (condition1) {            // Compliant - depth = 1
  /* ... */
  if (condition2) {          // Compliant - depth = 2
    /* ... */
    for(int i = 0; i < 10; i++) {  // Compliant - depth = 3, not exceeding the limit
      /* ... */
      if (condition4) {        // Noncompliant - depth = 4
        if (condition5) {      // Depth = 5, exceeding the limit, but issues are only reported on depth = 4
          /* ... */
        }
        return;
      }
    }
  }
}
```